

Urban Center Head

Ex-HUD Secretary Wood cites Need for overview in planning

By Joe Kashi

Professor Robert Wood, Secretary of Housing and Urban Development under Lyndon Johnson, reflected upon the many problems he faced during his three-year tenure in Washington Tuesday night in the Sala.

In his first public speech since returning to head the Political Science Department and the MIT-Harvard Joint Center for Urban Studies, Professor Wood detailed the main elements involved in training a new type of planner: the "urban professional." He emphasized that the prerequisites for effective training of the urban professional were projections into the future, rather than merely reflections of past crises.

Change without fear

In order for the United States to grow effectively and be assured of an adequate supply of well-trained urban workers and planners, Wood cautioned, the U.S. must not be afraid of changing patterns and courses of action. Unless the American public accepts change without fear, he continued, it cannot remain relevant and will be unable to implement changes which will be necessary to ultimately raise the quality of urban life.

In addition to excellent specialized training, an adequate number of employment opportunities is necessary to attract competent students into urban affairs.

The 1968 Housing Act represented a major commitment by the 89th Congress to expand community and public housing by a factor of ten over the next ten years. The requirement now is for comfortable housing at low cost. However, last year there was an 11% drop in new housing starts, despite the growing shortages. This drop was due in part to the restriction of credit.

Instead of the HUD goal of 2.6 million starts per year, only about 1.5 million housing units were



Professor Robert C. Wood

begun last year. The only field of the housing industry which has made any appreciable headway in producing attractive units at low cost is the mobile home industry. Prefabricated housing modules which are assembled at the factory and then erected at the housing site may prove feasible in the near future, but at this time, they are confronted by such impediments as labor problems, housing codes, and zoning laws.

Model cities

One of the HUD programs which may prove very beneficial to American cities in general is the Model Cities program. Here, Wood explained, the emphasis is on community participation and neighborhood action, but balancing pure democracy and real political problems will continue to be a problem in the foreseeable future. Although communication is of vital importance here, the urban professional should remember that continued dialogue for unreasonable lengths of time can lead to exaggerated frustration. Too much planning can be the downfall of the planner. To combat this tendency, Prof. Wood suggested that a time

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Undergrad support sought

March 4 strike gains momentum, opposition



Photo by Gary DeBardi

Graduate students circulated petitions in the Armory on registration day in opposition to the planned March 4 strike.

Astronaut James Lovell, Jr. addresses Institute community

By Jay Kunin

Astronaut James A. Lovell, Jr., navigator of the Apollo 8 flight to the moon, greeted the MIT community yesterday in a series of addresses and meetings.

Lovell first spoke to Instrumentation Laboratory personnel in Kresge, congratulating them on the performance of the Apollo navigation and guidance systems which were developed at the Lab. He then joined Christopher C. Kraft, NASA's director of flight operations at the Manned Spacecraft Center in Houston, and Robert Gardiner, head of the Guidance and Navigation Division at the Center, in a press conference in the McCormick Lounge. Lovell described the navigation system as a "man-machine integrated loop," and stated that man was a necessary part of the type of space flights now being undertaken.

A convocation in Kresge followed the press conference. President Johnson introduced Dr. C. S. Draper, Head of the Instrumentation Lab, and David Hoag, Associate Director of the Lab, who explained the Laboratory's involvement with Apollo and described the navigation, guidance, and control systems which worked so well. Draper noted that taking technological chances is necessary to a venture of this sort, but "if you don't make it, nobody's going to give you a damn bit of sympathy."

Johnson then introduced Lovell, who showed a film taken of and by the crew, and appended the movie with



Photo by Al Goldberg

President Howard Johnson greets Astronaut James Lovell Jr.

color slides. Lovell spoke of the preparations for and the actual flight of Apollo 8, his third space flight. His job as navigator required him to be sure of the craft's attitude and position at all times, but especially when the capsule was behind the moon. He also commented on the performance of the

guidance and navigation system.

After his speech, Lovell answered questions, then went to the Sala to receive a book of signatures from UAP Maria Kivisild '69, congratulating him for his part in Apollo. He concluded his visit to the Institute with a dinner with President Johnson.

Bishoff announces increase In commons, dorm rent fees

By Steve Carhart

Rent and commons fees in the Institute dormitories will be higher next year, it was announced Wednesday.

In a move which many students have been expecting, Laurence Bishoff, Director of Housing and Dining Services, told a dinner meeting of Dormitory Council that the average annual combined room

and board figure will go from this year's level of \$970 to \$1,035 next fall. He also told the assembled student representatives that a further increase to 1,100 is planned for the following fall.

Reasons for rise

In explaining the new increases, Bishoff and Dean of Student Affairs Kenneth R. Wadleigh noted that rapidly rising prices and unsettled

conditions in the food and labor markets made it undesirable for the Institute to continue its policy of raising room and commons charges every few years with the expectation of making money during the initial period following the increase and losing money later on. In addition, it was thought that the old plan did not treat each incoming class equally.

Bishoff also presented Dormcon with a number of options for cutting services provided in dormitories which could be used to reduce the size of the rent increase. Dormcon showed little enthusiasm for eliminating the house tax or dorm line system. However, it was agreed that the reduction of desk operation could be considered by individual houses. In addition, an *ad hoc* committee will be set up to consider improving or eliminating porter service. Burton House committee voted Wednesday night not to change its current desk arrangement, and Baker president Dariush Ashrafi '69 said that he did not think Baker would change its desk operation.

Figures presented

Bishoff's presentation was backed by a variety of charts and figures outlining trends in living costs. He noted that no increase in living charges have been made in the Institute dormitories for the last five years, with the exception of the increase voted by students to pay for unlimited seconds on commons. He also presented figures which showed the cost of food and labor rising rapidly during the last five years. In addition, he showed charts which presented dormitory

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Engineering and Science at IBM

"You're treated like a professional right from the start."

"The attitude here is, if you're good enough to be hired, you're good enough to be turned loose on a project," says Don Feistamal.

Don earned a B.S.E.E. in 1965. Today, he's an Associate Engineer in systems design and evaluation at IBM. Most of his work consists of determining modifications needed to make complex data processing systems fit the specialized requirements of IBM customers.

Depending on the size of the project, Don works individually or in a small team. He's now working with three other engineers on part of an air traffic control system that will process radar information by computer. Says Don: "There are only general guidelines. The assignment is simply to come up with the optimum system."

Set your own pace

Recently he wrote a simulation program that enables an IBM computer to predict the performance of a data processing system that will track satellites. He handled that project himself. "Nobody stands over my shoulder," Don says. "I pretty much set my own pace."

Don's informal working environment is typical of Engineering and Science at IBM. No matter how large the project, we break it down into units small enough to be handled by one person or a few people.

Don sees a lot of possibilities for the future. He says, "My job requires that I keep up to date with all the latest IBM equipment and systems programs. With that broad an outlook, I can move into almost any technical area at IBM—development, manufacturing, product test, space and defense projects, programming or marketing."

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Tuesday, February 25, 1969

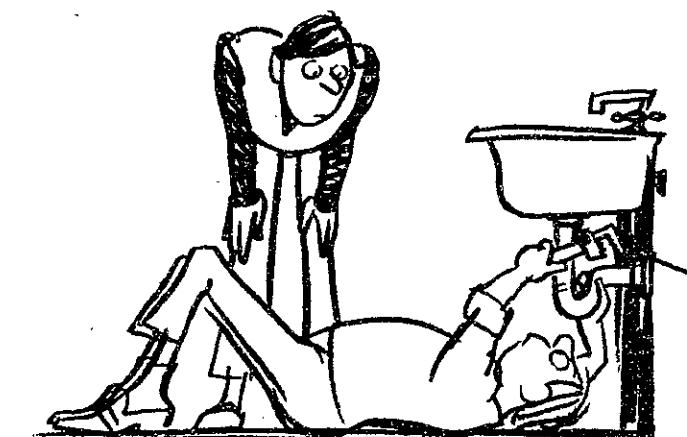
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Majors	For	Positions in
Engineers:		
Mechanical	Research and Development	
Materials	Product and Process	
Civil	Quality control	
Electrical	Sales Engineering -	
Chemical	Technological service	
Chemistry	R&D administration	
Management		

Rogers Corporation Rogers, Conn. 06263



1. Pipe broken?

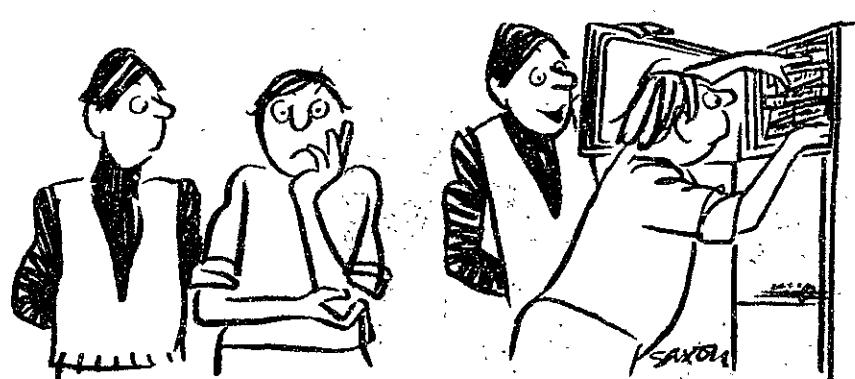
No, I'm trying to find
where I stashed some dough.

2. That's where you keep
your money?

Sometimes I put it in
the flower pot.

3. What's wrong with the bank?

I'd only take it right
out again.

4. But that's what you're
doing now.

Not quite. The beauty
of my system is that
I usually can't find
where I put it.

5. I think you'd be a lot better
off putting some of your
dough into Living Insurance
from Equitable. It not only
gives you and the family
you're going to have a
lifetime of protection,
it also builds cash values
you can use for emergencies,
opportunities, or even
retirement.

I wonder if it could be
with the french fries?

For information about Living Insurance, see The Man from Equitable.
For career opportunities at Equitable, see your Placement Officer, or
write: Lionel M. Stevens, Manager, College Employment.

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Tech Band 'snowed' in NJ; Three nights at Holiday Inn

By Bob Dennis

At the beginning of the MIT Concert Band's annual intersession tour, personnel assistant Mike Lynch commented, "This is a fractured group—no one seems to know one another." Within a few days, however, through the tyrannical hand of Mother Nature, the 85 members of the band—under varying degrees of stress—came to know each other all too well.

After a tour highlighted by concerts in Philadelphia, Richmond, Washington (where 9 Tech jaywalkers were able to outwit a cop who had never heard of MIT), and a memorable Saturday night party (with some unexpected visitors), the bleary-eyed musicians set out for home at 10:00AM Sunday.

Early in the afternoon, the snow began falling on the New Jersey Turnpike. As the roads became increasingly treacherous and dark, the two Wilson buses carrying the band became separated. As the first bus neared New York, several band members ventured out into nature's white fury to push off the road one of the many cars that were immobile and blocking traffic, and the car's occupants were admitted to the bus. As the George Washington Bridge loomed ahead hopelessly clogged, the bus driver, Maurice Evans, astutely decided to take the Hackensack, N. J., exit and the 40-odd musicians—including several female mem-

bers—were fortunate to gain accommodations at the local Holiday Inn.

Long, Hard Road

The other bus, however, did not enjoy such a comfortable night—the driver was possessed with a mania to get home. Aboard the bus for most of the 31 straight hours, they endured monumental traffic jams and the necessity of having to shovel themselves as well as many cars out of snow drifts on several occasions, and they reached MIT around 5:00PM Monday.

Meanwhile, back at the Holiday Inn, Monday morning found the roads through and out of New York City still impassable. On Tuesday, the band's president, Barbara Padgett, used her maternal instincts to decide the surety of the Institute's emergency funds was a better bet than venturing out under uncertain road conditions, and so this half of the band remained comfortably ensconced in the Holiday Inn until 6:00AM Wednesday when they embarked on an uneventful return trip to the white and wonderful Institute.

The entire snowbound group obtained adjacent rooms in the motel. Not only was an unprecedented sense of comradeship among all achieved, but some Techmen reacted to the stress of the situation by forsaking all tradition and taking an unabashedly fond interest in the coeds in the group. Some groups

braved the elements to venture into New York, beholding the big city near paralysis and taking in shows. Others remained in their rooms, watching ancient John Wayne movies and reading *Modern Sex Techniques*. Barbara Padgett became an all-purpose mother, banker, and card-shark.

Besides its strength in bringing a large section of the northeast to a virtual standstill, the storm could be marvelled at by its effects on people. As a member of the family that was picked up by our bus noted, "In this situation, there's no such thing as a hitch-hiker—everyone's a friend." As the television camera visited Kennedy Airport on the night of the storm, one of the 6000 stranded people summed it up: "We should do this more often. Everybody gets to know each other—and it's fun."

Announcements

* Only those announcements which are of general interest to our readers will be considered for inclusion in this column. Announcements must come from the MIT community. Furthermore, announcements of events for which there is an admission charge will not be considered.

Announcements must be short. In general, announcements longer than 50 words will not be considered.

The deadlines for receipt of announcements are 5 pm Sunday for a Tuesday edition and 5 pm Wednesday for a Friday edition. These deadlines cannot be relaxed under any circumstances.

Since announcements are published free of charge, *The Tech* reserves the right to edit, postpone, or refuse any announcement for any reason.

* Miss Lillian Hellman will offer a new course in Humanities during the spring term, 21.383, "A Course in Reading and Writing." Students interested in registering for it are asked to submit a paper they have written to Professor C. T. Cole in room 14N-314.

* Any freshman interested in working on the Committee to Evaluate Freshman Performance should submit a letter of application to Peter Buttner (7-133) explaining why he can contribute to the evaluation of the pass-fail experiment in the next three and a half years. A permanent committee member will be selected from the applications and personal interviews. For more information, contact: Peter Buttner, x6771, Peter Harris, x2696, or George Katsaficas, x3616.

* Undergraduates interested in a course major in Social Enquiry to begin 1969-70 are requested to sign the information list on Allen Graubard's door, 14N-338, by the end of February. A meeting for those interested is planned for late March.

* Mike O'Connor remains in the stockade at Fort Devens. Letters to him should be addressed: J. Michael O'Connor, U.S. Army Building P-6, Fort Devens, Massachusetts.

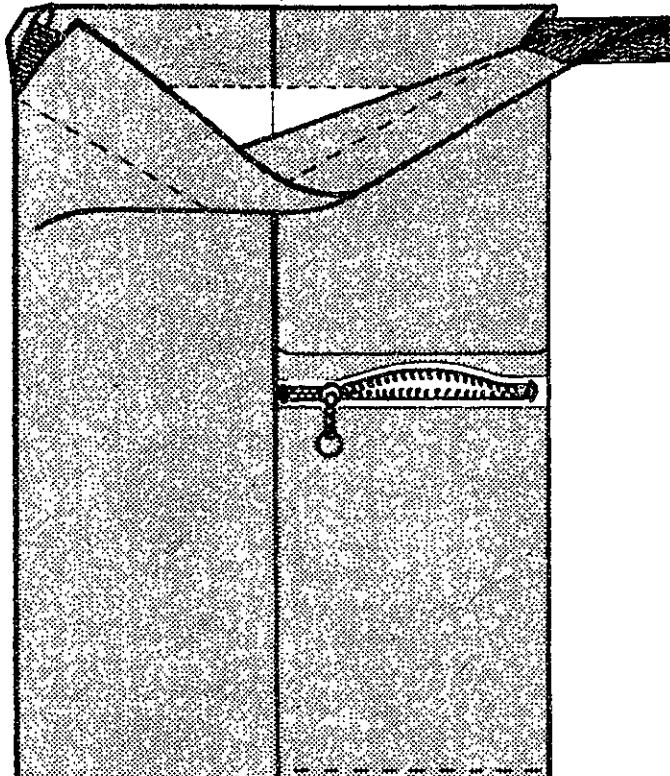
* The Theater Arts Course, 21.28, will meet at 4 pm, Monday, in the Green Room in Kresge Auditorium.

* Dramashop tryouts will be held Monday evening in the Little Theater in Kresge Auditorium.

* The MIT Nautical Association will conduct its Third Winter Senior Seminar Wednesday, February 19, at 8:30 pm in room 6-120. Featured will be Greg Bemis, chairman of the International Rules Committee.

* The Visiting Committee on Student Affairs of the MIT Corporation will hold an open meeting from 3 to 5 pm in the Mezzanine Game Room of the Student Center on Monday, February 17. All interested students are invited to attend and express their opinions.

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An Appeal

The Tech needs your help. During volume 88 we tried, with some success, to be more effective in informing the MIT community and to be a constructive influence in reforming and improving the Institute. But we have a long way to go. Most of the criticisms which have been directed at the paper in the past have been to varying extents justified.

We cannot, however, do the kind of job we would like to do unless there is a significant influx of concerned people who would like to do something relevant to make the Institute a more reasonable place. While it would be nice, experience and talent in writing or reporting are by no means necessary. As our regular readers will attest, most of our staff learns as they go along.

Following the election of a new board of directors, there are always a large number of responsible positions left open when their occupants are promoted. In the past, staff members have recruited new people from their living groups to work for the paper, with the result that the staff has been neither sufficiently large nor sufficiently representative of the student body to do the job that must be done.

Before you say that you have too many problem sets to do, stop. You are going to have to live in a society of issues, problems, and people, as well as technology. Your education is only half an education if you cannot deal with issues and personalities. Those who work on the paper get an excellent grounding in these topics and are usually among the first to hear of a lot of exciting things. Although some spend as much or more time on the paper as on classwork, the depth of your commitment depends entirely on you. Many staff members find that if they set aside time for the paper, they can work more effectively (out of necessity) when they study.

Be relevant for a change. Get in on the ground floor of the excitement of volume 89. Drop in any

Wednesday or Sunday evening in our office (W20-483) and talk to an editor about joining one of our staffs. We cannot be the kind of paper we would like to be unless you, the reader, help us out.

Youth Fare

Recently a Civil Aeronautics Board examiner recommended that youth fares be dropped by domestic airlines on the grounds that they discriminate against older passengers. If this principle were to be extended to its logical conclusion, the results would be absurd. All airlines and railroads would have to drop family fares, so as not to discriminate against bachelors. No business could offer a local sale on one of its products; that would be discrimination against those who live elsewhere. Other possible ramifications abound.

Unless the full CAB sees fit to reverse this decision, it will become effective thirty days after the submission of the examiner's report. Now is the time to write your local congressman, senators, and the CAB at 1825 Connecticut Avenue, N.W., Washington, D.C., 20009.

Cost of Living

We were disappointed to see that the charges for dormitory rent and commons will increase next year, but in light of their stability over the past five years despite generally rising prices, this can hardly be viewed as a surprise. Insofar as the quality of commons is concerned, it seems to us that relatively few students (who could move to a house without required commons) would object to compulsory commons if the quality were maintained. We will watch closely during the coming term to see whether the steps taken by Mr. Bishoff to improve the West Campus commons quality are effective.

Science Strike

To the Editor:

In December a graduate student representative visited my office to explain that a number of MIT students, undergraduate and graduate, were seriously concerned with the social consequences of research and invited me to organize one of a series of panel discussions on this theme in my own field. I was happy to agree to arrange a panel discussion along with some on my colleagues on the "Application of Scientific and Technical Knowledge from Research to World Food and Nutrition Problems," my special area and a topic on which I have recently prepared a detailed report for the United Nations.

I learned in January, however, that the panels were to be organized in such a way that students and faculty would be urged to abandon their research for an entire day in order to attend and that the movement was being identified as a strike. I indicated to the student organizers that I would be strongly opposed on principle to such a procedure and would not participate in it in this form.

In discussing some of the reasons why, I explained that as far as I knew persons doing research in the life sciences at MIT believe it to be for the benefit of mankind and that, regardless

of source of support, are doing open research of their own choice. For those engaged in animal and human studies, as are many in this Department, it would be highly improper and irresponsible, as well as a social disservice, for them to neglect their duties. In the life sciences, as in the physical and social sciences, most discoveries of value and importance for human welfare can also be used for contrary purposes. What is needed is not to ban such research, but to develop national and international policies and forms of social organization and restraint which ensure that research discoveries are used constructively.

The concept of a work stoppage would be unacceptable for a variety of good reasons to many people sympathetic with discussions of the objectives and implications of research and would unfairly place them in the position of seeming not to care.

I believe it would be far more meaningful for persons concerned with this problem to take their time in the evenings or on weekends for the proposed discussions and panels. I

repeated my offer to arrange a panel discussion on the topic originally suggested at any mutually acceptable time outside of the regular working hours of the Institute and will still be glad to do so as long as it is not arranged in association with any research stoppage.

I reaffirm my own conviction that the issues raised are important ones to be explored deeply and thoughtfully by students and faculty. I believe it is true of most of the faculty and students of this Department that they have deliberately chosen an area of research where their efforts might be of tangible and fairly immediate benefit to mankind. We are actively working long hours to find ways of applying science and technology for the improvement of human health and welfare in both industrialized and less developed countries through improved nutrition. Given the urgency of the world food crisis, perhaps a research-in would be more appropriate for us than a research stoppage.

Sincerely yours,
Nevin S. Scrimshaw
Professor of Nutrition
and Head of Department of
Nutrition and Food Science

Pass - Fail

To The Editor

Your editorial of February 11, "Pass-Fail", raised a number of questions concerning evaluation of this program. Since it appears that a number of the evaluation procedures being used are not widely known, I would like to cite some of these in reply. Clearly, a subjective assessment alone of freshmen reactions is not sufficient. One criterion of success, which will not be operative until next year, is the academic performance of the Class of '72 in second-year subjects, as compared with past records. Another aspect we are watching closely is any change occurring in the way that the first-year subjects themselves are taught, such as elimination of examinations, changes in section size, use of comments rather



Vol. LXXIX, No. 2

February 14, 1969

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Second-class postage paid at Boston, Massachusetts. *The Tech* is published every Tuesday and Friday during the college year, except during college vacations, by *The Tech*, Room W20-483, MIT Student Center, 84 Massachusetts Ave., Cambridge, Massachusetts, 02139. Telephone: Area Code 617, 876-5855, or 864-6900, extension 2731. United States Mail subscription rates: \$4.25 for one year, \$8.00 for two years.

our country's reserve of "undeveloped land." Undeveloped minds represent no potential land bank, but rather a guaranteed future drain on the social and economic well-being of every person in the nation.

Each student must participate to create a climate that will enable him to develop his "own piece of land." It is an affront to good sense to assume that students will forever submit to patterns that do not serve them adequately. It is equally absurd to assume that students, one step away from the Black ghetto, in a highly competitive world, are voicing a blind rejection of integration when they wish to set up a "family" community within the campus.

I really cannot agree with the statement that "almost no one was satisfied with the Performance Evaluation sheets." We have sent questionnaires and/or information letters to advisors, instructors, and freshmen themselves, all asking for specific comments and suggestions on this operation, and we are quite ready to implement any improvements as soon as they are suggested. In this sense, the "experiment" is indeed a continuously evolving one.

If there is one input that we do need at this time, it would be additional concrete suggestions as to specific observables which could be measured during the course of the next 3162 years, which could have a bearing on an assessment of the program. The Committee members are always glad to discuss these matters with interested members of the MIT community.

Black Students

To the Editor:

Many of us in the white community who have a total commitment to integration do not view the Black student desire for a degree of separation as permanently foreclosing the future of integration. Nor do we see the Black student focus as a hindrance to individual academic achievement. This is the moment, it would seem, for thoughtful people to reexamine many faulty premises so that colleges may deal more justly with Black youth who are now attempting to expand those opportunities so recently opened up to them.

Unlike the past, today it is the minds of our young that constitute

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Social Sciences are favored in MIT exchange

By Harvey Baker

The MIT-Wellesley Exchange Program, Spring 1969, has gotten off to a good start this semester with nearly three hundred students cross registering their courses.

A glance at the statistics shows that almost twice as many Wellesley students as Techman are taking advantage of the exchange. The overwhelming majority of the girls registering at MIT are taking humanities and Social Science courses, with the single most

popular course being 21.386, Interpretation and Judgement of Films, which has been elected by 25 Wellesleyites. More than half of the Wellesley students are taking courses in their major or in a related field.

viously participated in the program.

A final interesting statistic shows that precisely 69 girls majoring in Social Science are taking MIT courses.

On the other side of the ledger, a plurality of the 96 MIT students registered at Wellesley are taking Humanities courses, with only thirteen electing science courses. One singularly persuasive student has been allowed to take Mathematics at Wellesley, while two others are taking Physics.

The largest single Wellesley department that the Techmen enrolled in is English, quite possibly a reflection of MIT's lack of an English department as such. An MIT student desiring to major in English must instead major in Humanities, and take English courses within that department. Perhaps as a result,

the most popular Wellesley course elected was English 210 Modern Poetry. 22 MIT men cross-registering in the exchange program have taken part in it previously.

A breakdown by year of graduation of the enrolled students shows that Wellesley is contributing 68 seniors, 53 juniors, 64 sophomores, and 12 freshmen to the program. MIT, however, can muster no more than two freshmen, in addition to the upperclassmen, primarily seniors who number 55.

Footnotes*

By Karen Wattel

8. The ladies handing out roll cards on registration day stuck diligently to their instructions. One student who had all of the right papers but not the signature of his advisor argued futilely for a minute to get his roll cards. Finally he left the line, signed his advisor's name at the bottom of his schedule, returned to the same line, and picked up his cards.
 9. One of the nicest programs we saw was given to a sophomore in chemistry. The computer assigned him a lunch hour every day and nothing else.
 10. Desperate during the last snow storm, Wellesley offered to pay its students \$2.75 an hour for shoveling snow, proving that a liberal education is indeed useful.
 11. From the walls of *The Tech*'s production room: "There is the pragmatic conclusion that most Catholic families, judging from their now smaller families, have already adopted birth control and hence the encyclical has no effect. This is wrong."
 12. In trying to search out the reason for the digging in the Great Court the other day, an unsuspecting reporter got a good lesson in the workings of the Institute. Starting out in the Superintendent's Office, he was told that they didn't know but the Physical Plant ought to know. Physical Plant, in turn, replied that they had nothing to do with the hole and suggested the Superintendent's Office. But they made the fatal mistake of arming the reporter with a name to contact. Back at the Superintendent's Office, the reporter finally got his information.
 13. MIT, according to one of our sources, may be getting a small

telescope in Massachusetts and a large one, possibly as large as 90 inches, in South America, to be shared with several other schools.

14. We'd like to thank the sage of the Student Center, Al Goldberg, for making a half-tone of the Astronaut Lovell picture on the front page. The picture was taken hours past the printer's deadline for submission of the pictures. The printer normally handles the process which is necessary for all photographs.

*Hall is a fright -- paint it white
and Institute grey goes away*

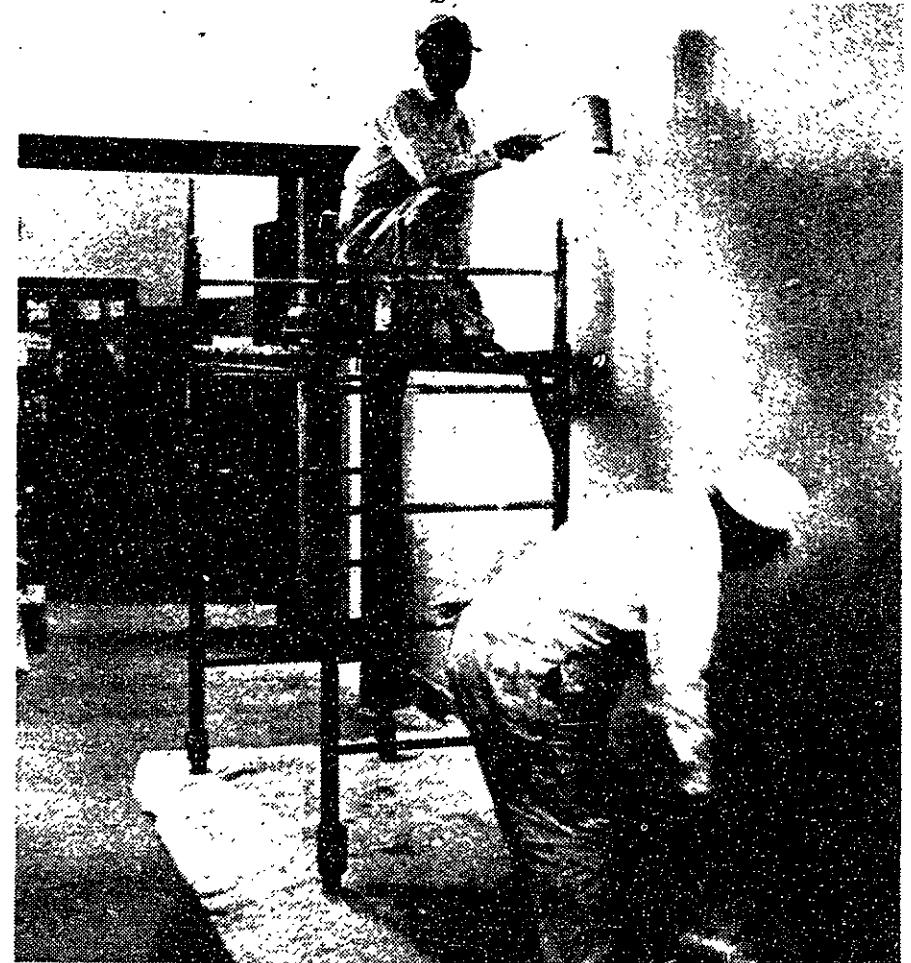


Photo by George Flynn
the rest of the building
painting on the main hall
color. It's supposedly
my rate, the Paint Shop
delic colors.

RCA On Campus Interviews

for Engineering Rotational Programs or Direct Assignments

February 26 and 27

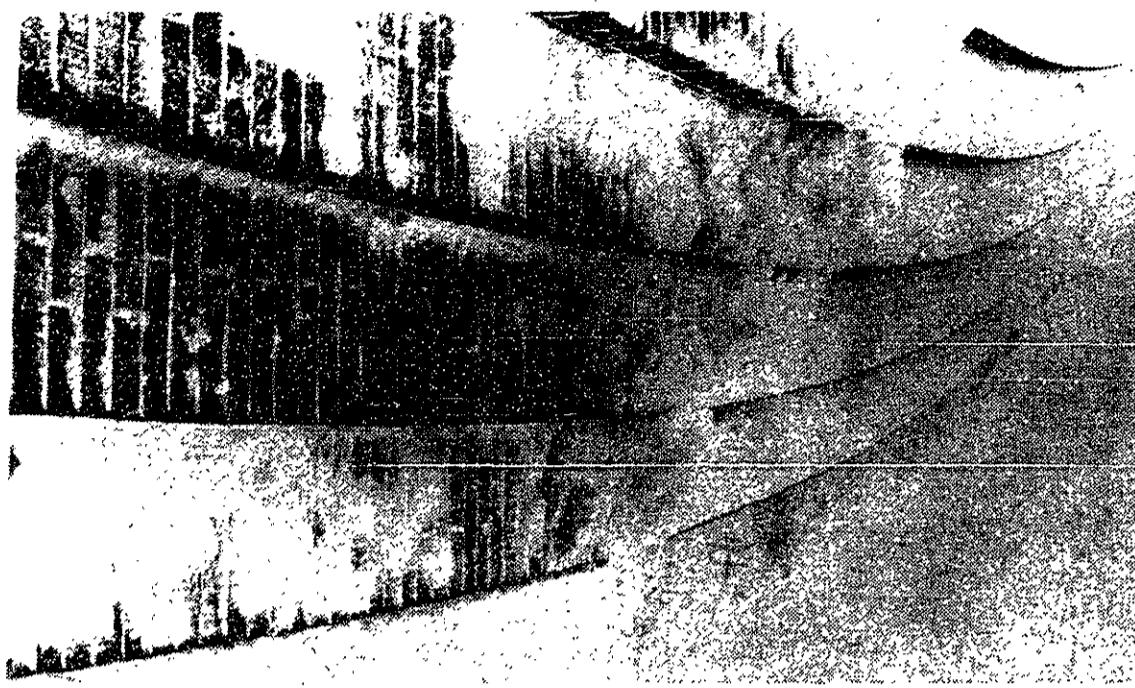
BS and MS candidates in Engineering can talk to RCA, on campus, about our Engineering Rotational Programs, Manufacturing Management Development Program or Direct Assignments in the area of your skills. Openings are in Research, Design, Development, Manufacturing Engineering, Purchasing, or Materials Management. See your placement officer to arrange an interview with the RCA Representative. Or write to RCA College Relations, Building 205-1, Cherry Hill, New Jersey 08002.

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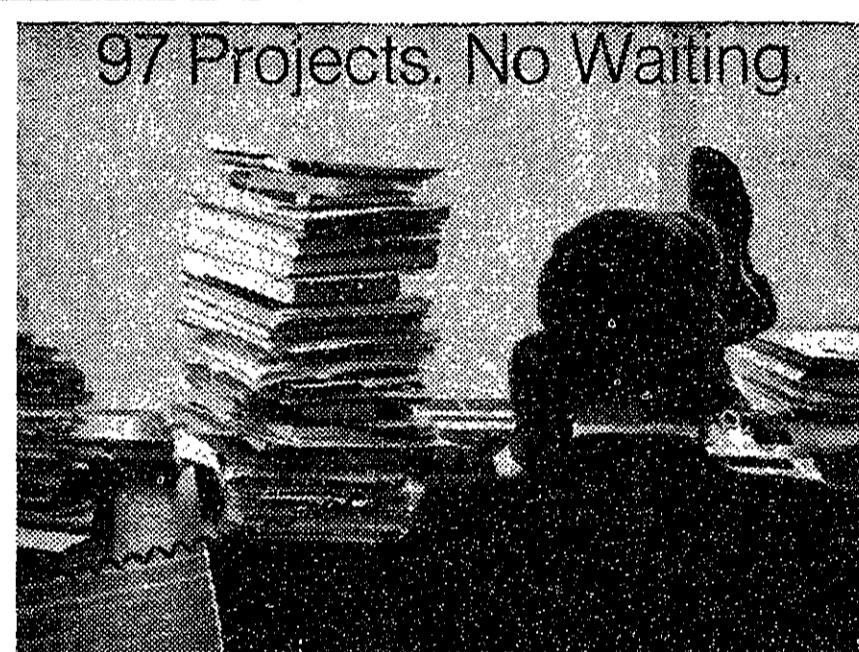
'Let there be snow!'

It was everywhere



snowbeavers?

and with it came



97 Projects. No Waiting.

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...and snowmen



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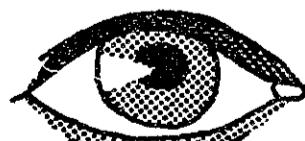
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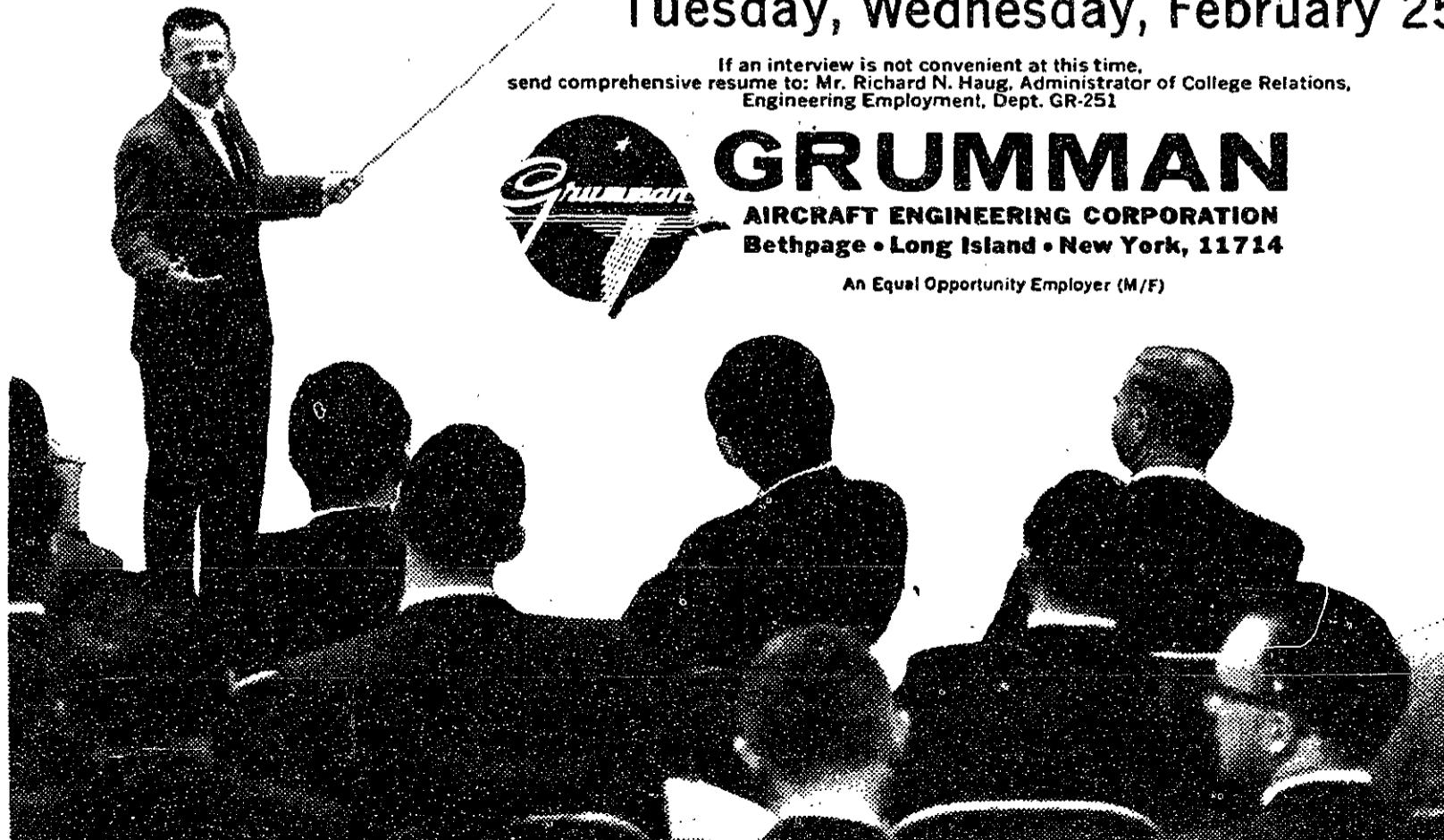
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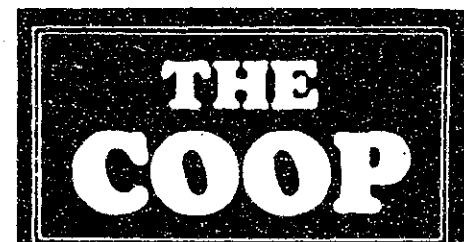
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music...**Joplin, Winter shine at Music Hall**

By John Jurewicz

Janis Joplin returned to Boston Sunday before a packed house who braved one of the worst blizzards in recent years to see the best white female blues singer in music.

The first part of the concert saw Winter establish itself as a group to watch. Blues bands are a dime a dozen these days, what with everybody sounding like everybody else, but Johnny Winter, with his wailing harp and complete mastery of the fingerboard, manages to derive a fresh and exciting sound from a thorough acquaintance with traditional blues. Bass player Tom Shannon and drummer John Turner provided commendable backing, fortunately without the need of twenty-minute drugged solos to affirm their presence. Watch for these three gentlemen—they've got promise.

And then came Janis with her new band. A mind reader in the audience would have read one question: "Will she be better or worse without Big Brother?" Big Brother and the Holding Company used to catch a lot more criticism than they deserved just because it's hard to play behind a superstar. Well, hard or not, Sunday's concert showed it can be done. The one (other) familiar face on stage was Big Brother's Sam Andrew on guitar. Rounding out the personnel of the new group are Roy Markowitz (drums), Frank Campbell (bass), Richard Campbell (Hammond organ), Terry Ginsley (trumpet), and Terry Clements (saxophone). These six men have put together a sound that complements and enhances the already-well-established power of Janis Joplin. The addition of the brass section puts the finishing touches on solid blues arrangements of a fine selection of new material as well as a representative sampling of Big Brother's old hits. The group is now using a good amount of material written by Nick Gravenites, formerly of the Electric Flag, and is getting away from Janis's older standards. (Could you do "Down on Me" twice a night, every night, and like it?) Although a certain amount of boredom was evident in their rather mechanical performance of "Piece of My Heart," it may well be noted that the hit of the

evening was easily an incomparable arrangement of "Summertime." The audience exploded as a trumpet-and-sax rendition of a Bach minuet glided into the familiar opening guitar run. Janis, by the way, came on as heavy as ever all through the set, running the first three songs practically nonstop and crushing the speculation which arose after her last Boston appearance that her voice was already weakening.

Other highlights of the show were "Maybe," a 1950's Chantel's tune, and the standing ovation encore of Gravenites' "Work Me, Lord." Considerable credit must be given the yet-unnamed group for the impressive solidity they have established in the three weeks they have been playing together.

After the performance we went backstage for a rap session with Janis, Andrew, and Markowitz. The following conversation ensued:

JANIS: How do you like my new band?

THE TECH: Just fine. How long have you been together?

JANIS: Just about three weeks, now.

THE TECH: Where did you find them?

JANIS: I don't know, man. I'm lucky to find my own dressing room. Come on in.

It's so much fun just to get up there on stage and have a good time. It's been so long.

SAM: They were actually people out there, and they were digging it. They wanted to see everything they saw. They were waiting for weeks; you don't know the promotion they had out on this thing. Look at this blizzard—still, they all came.

JANIS: Every time we turned on the radio, that's all we heard. What cracked me up was, I got the new band, right?—we're doing nothing but new songs—and I turned it on this afternoon and they were saying, "Come to the Janis Joplin show and hear her sing all those hits." And behind it, they're playing "Summertime" and "Piece of My Heart."

SAM: Right. That's what everyone thinks is great.

JANIS: I said, "You know, maybe we ought to do 'Piece of My Heart' as the

last tune and do 'Work Me, Lord' as an encore. It'll fuck their heads over!"

SAM: Yeah. They also dug your new sound, though, after you gave them what they wanted. That's all the promotion behind it. It's like I said about the first set.

JANIS: I assure you, there's nothing I want to do more than give them what they want.

SAM: They want to see that bottle of Southern Comfort, right there.

JANIS: If they passed me up one, I'd drink to them. They didn't give me a fucking thing tonight. I noticed that. I usually notice that.

SAM: They gave you seven dollars a ticket.

JANIS: Is that something! All those kids—seven bucks a seat. That's like 18 paper routes.

SAM: All in one day.

JANIS: You're from MIT's newspaper, huh? What's five times five?

THE TECH: I really don't care right now. I'd love some of that brandy, though.

SAM (applauding): Freak, freak!

JANIS: Sure, honey. Drop out! I'll give you this whole thing if you promise me you'll quit.

TERRY: We're going next door—they've got food, drinks, a bar, everything. Orders?

JANIS: All I want is three venetian coffees and...and a bagel.

SAM: You don't look like an MIT guy.

THE TECH: Thank you. What happened to the rest of the group when Janis decided to split?

SAM: Peter [Albin] and Dave [Getz], the bassist and the drummer, went to Country Joe and they're going to Europe with him, James [Gurley] is going to make records and tape some ideas at his home, and I'm here. Peter and Dave are going to get Bugsy [Maugh], the bass player from the Butterfield Blues Band, and start a new band. So they should get a good thing going.

THE TECH: What caused the split, anyway?

SAM: Hey, gang, what caused the split, anyway? Everybody in the world wants to know. Thing of something—anything. Who knows? Mostly boredom, actually, what with doing the same old stuff all the time.

JANIS: Hey, I hear they're bootlegging tickets for our show at the Fillmore East for fifty bucks. Is that too much?

SAM: We should have cornered the market.

JANIS: Fifty bucks to watch a bunch of hippies get drunk and make a fool of themselves.

SAM: A collective fool, at that.

ROY: Anybody have a cigarette?

THE TECH: Take your choice—Marlboro or menthols.

ROY: No choice. (Takes Marlboro.) Did you like the band?

THE TECH: Great. I like the brass idea! Janis said you've only been together for three weeks.

ROY: About three and a half. We've had a lot of personnel changes; that's why it's so difficult. Did you like the instrumental?

THE TECH: The one in the second set with the guitar lead-in? Right, that's a good arrangement.

ROY: Oh, by the way, make sure you spell my name right. Dig it: Roy Markowitz. I'm Italian.

THE TECH: Markowitz? That's not hard.

ROY: No, the first name. R-O-Y. When Rolling Stone wrote up the personnel of the band, they called me Ron Markowitz. And then they called me a "seasoned San Francisco drummer." I'm from New York. Anyway, what kind of things do you really want to know?

THE TECH: I personally like the rap session type of thing. But remember you said you give the people what they want? So do we.

ROY: Which is, how long the band's been together, who are they, blah, blah, blah? That's all shit. You want the rundown on everybody, I'll give it to you. Why don't you ask us where we got our name?

THE TECH: Where did you get your name? What is it? I didn't know you had a name.

(please turn to page 9)

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revue...

New 'Proposition' rough but still worth the price

By Tony Lima

The current issue of *The Proposition* now running in Inman Square needs a good deal of rewriting in the first "act" before it will be up to par. For those who are not familiar with the format, the show advertises itself to be a topical musical satire, divided into two "acts", each of which consist of a series of short skits about current issues. Obviously, the better-informed members will be able to appreciate the show to a greater degree than those who are merely casual observers of the contemporary scene.

The most notable performance in the first act is especially topical to the Techman. It is a folk-song satire of the Living Theatre and Bob Dylan rolled into one. The story opens as the singer tells us of trying to "satisfy his libido" by finding a "conservative, middle-class, American strip joint." He is directed

into an auditorium where the Living Theatre is presenting (of course) *Paradise Now*. The parody is excellent. In the first act, the bits which seem to come across the best are the on-, two-, and three-liners. The longer ones lose their edge rapidly and seem to interrupt rather than keep up the pace of the show. For some reason, the second act was a reversal of this. The short bits came across well; however, there were generally overshadowed by the longer scenes. Notable efforts were the two improvisations and the final scene, a musical satire on the Nixon election.

The *Proposition* is one of those shows which constantly changes as new material presents itself. Therefore, it is not surprising that a new show is still a bit rough. In a few weeks, when some of the skits have been replaced, the entire show will undoubtedly be far better than it now is.

Model Cities, housing law are high points of Wood's tenure

(continued from page 1)

limit be imposed on the planning stages of certain projects so that the proposed solutions do not become irrelevant to the problem before they are even implemented.

The policy of federal housing authorities over the past 16 years toward open housing authorities over the past 16 years toward open public housing was fully implemented as a result of the recent Open Housing bill which was passed by Congress. When the Johnson Administration left office, 34 million housing units were under federal anti-discrimination regulations. Another 50 millions will

be under them shortly, with a final figure of 85% of all housing to be reached by 1970.

Professor Wood enjoined the "urban pro" not to focus on one specific issue but rather look at the problems of the cities with a broad, generalized view. What is needed, said Professor Wood, is the overview, with the second-order effects taken into account. America can no longer look at each element of the urban environment as a separate entity, but must see each with respect to the total system, as subtle interrelationships cannot be neglected.

Janis' new group turns on audience

(continued from page 8)

ROY: We don't have a name. Somebody think of something. What's our name?

SAM: "Janis and the Jackoffs."

ROY: Beautiful. "Janis and the Jolly Jackoffs." "The Joplinaires."

SAM: You don't look like an MIT guy. When did you last shoot speed?

THE TECH: How about, when do you want to die?

ROY: After every bad set. Once in Memphis...not tonight, though.

THE TECH: How did you like the audience tonight?

ROY: I really dug the audience second set.

THE TECH: Were you satisfied with yourselves?

ROY: The second set, yeah. I know I was. I played in Rome, New York once with Les Elbart's band for the crowning of the Syracuse queen or some shit like that. You can't get off unless the audience is with you. Like here, if the audience is paying good money to see you, they really have to be enthusiastic and everything. You had quite a snowstorm here tonight, but a lot of people came.

THE TECH: Where do you play next?

SAM: New York at the Fillmore East Tuesday night. Tomorrow we practice.

THE TECH: Thank you very much.

Good night.

(COULDN'T TELL WHO): You don't

look like an MIT guy.



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Mr. Galvin:

"Group think" is typical of business conformity



Dear Mr. Galvin:

The trend on the nation's campuses is toward greater freedom—and responsibility—for the individual student. Whether the action is extension of visiting hours for women or relaxation of course requirements, the result is the same: a placing of greater trust in the individual, and a growing array of flexible alternatives for that individual.

Yet when he looks at business, and particularly at big business, a student sees an organization oriented to the group rather than the individual, and to that group's security rather than the individual's challenge. That "group" is any collection of administrative peers and immediate supervisors which meets frequently at all levels of the bureaucracy.

What began as an attempt to imitate the highly successful "team" of technologists has become a plodding group of administrative bureaucrats. And whereas the team produced, the group ponders. But "group-think" is a strange brand of thought indeed. Group-think places a premium on affability rather than creativity, and waste rather than efficiency. Somehow, group-think demands little or no substantive thinking on the part of the individual.

Lately, group-think has become synonymous with business administration. Some consulting firms exist merely to sensitize the individual to the group. Yet administration has always been that aspect of business meant to appeal most to a socially conscious college generation. Is it any wonder then that the trend toward individual freedom and responsibility coincides with a growing alienation towards business as a career?

My question Mr. Galvin is what will business do to provide the individual with the opportunity—and incentive—to perform, as an individual, the kinds of tasks he is both prepared and anxious to perform?

Sincerely yours,

Arthur Klebanoff
Arthur Klebanoff
Government, Yale

IS ANYBODY LISTENING TO CAMPUS VIEWS? BUSINESSMEN ARE.



Three chief executive officers—The Goodyear Tire & Rubber Company's Chairman, Russell DeYoung, The Dow Chemical Company's President, H. D. Doan, and Motorola's Chairman, Robert W. Galvin—are responding to serious questions and viewpoints posed by leading student spokesmen about business and its role in our changing society through means of a campus/corporate Dialogue Program.

Here, Arthur M. Klebanoff, a senior at Yale, who plans graduate studies and a career in government, is exchanging views with Mr. Galvin.



Dear Mr. Klebanoff:

The desire of young people for greater individual freedom and responsibility is not confined to the campus, but is a characteristic of the maturing process. It is not a phenomenon of this generation. And it is a good thing when expressed constructively.

As a college student and member of several important campus committees, you must be aware of the importance of individuals pooling ideas and efforts. University-sponsored research programs inquiring into needed social reforms, and working out pilot projects as prototype solutions—methods to overcome widespread illiteracy in the ghettos; to encourage self-respect through self-help, for example—reflect team efforts. Even actions undertaken by the dissenters and protesters on campus result from "committee action" and not the blandishments of one individual.

The concept of granting more and more freedom to act responsibly, with authority, is not alien to business. It is fundamental. Individuals demonstrate talents. Those talents need each other for the attainment of composite results. In the pooling there is no loss of individuality or freedom.

Business is, and must be, strongly concerned with the individual, but since running a business is a team effort, there has to be group orientation, too.

In business, as in other fields, many decisions and actions result from "group-think" meetings, which do indeed demand substantive thinking from the individual. It is my opinion that more creative ideas come from a number of people "thinking" together than separately. One person's ideas spark the thinking of another; some people are naturally better at conceiving the germ of an idea than at refining it to a practical degree. In a group-think one draws upon a multiplicity of talents and viewpoints.

I have attended many group-thinks but seldom one approaching your description. Certainly some were unproductive... but usually because of negligence in

In the course of the Dialogue Program, Arnold Shelby, a Latin American Studies major at Tulane, also will explore issues with Mr. Galvin; as will David M. Butler, Electrical Engineering, Michigan State, and Stan Chess, Journalism, Cornell, with Mr. Doan; similarly, Mark Bookspan, Pre-Med, Ohio State, and David G. Clark, Political Science MA candidate at Stanford, with Mr. DeYoung.

These Dialogues will appear in this publication, and other campus newspapers across the country, throughout this academic year. Campus comments are invited, and should be forwarded to Mr. DeYoung, Goodyear, Akron, Ohio; Mr. Doan, Dow Chemical, Midland, Michigan; or Mr. Galvin, Motorola, Franklin Park, Illinois, as appropriate.

disciplining the group to adhere to the subject. Carefully disciplined, no-nonsense creative sessions often produce table-bangings and heated exchanges rather than affability... and out of them may come solutions to complex problems and decisions involving millions of dollars and affecting thousands of employees and the public. An inefficient or conformist think group would waste talents, manhours, and money.

Business is to blame for the fact that today's college students must make a critical choice between business and other careers without sufficient knowledge on which to base such a decision. Students daily exposed to the campus are well-equipped with knowledge about teaching: an abundance of facts on medicine, government service, and many other fields has long been available. But business has neglected to communicate adequately by way of personal experience, the really significant facts about the realities of business to the very people it is trying to attract.

Its enormous accomplishments that have produced the highest standards of living in the world... its massive research and development programs that are probing into outer space and underseas, which will profoundly affect virtually every facet of man's life... its increasing direct involvement in the social problems of today, and the efforts to devise practicable means of dealing with root causes, not merely surface symptoms, are all part of the daily operations of business.

The solutions being achieved result from "group-think" efforts within a corporation, or between a number of businesses, or as the result of a cooperative effort between business and government. No one individual possesses sufficient facts or knowledge to direct all growth phases of a major enterprise. No one sector of the economy has the technical know-how or resources to carry the load for the continued forward thrust of our national progress.

Within this framework there are "individual" selective tasks and goals requiring "individual" responses. It is through the intermingling of individual talents that viable solutions to the complex problems of today, and the challenges of tomorrow will be found.

Sincerely,

Robert W. Galvin
Robert W. Galvin
Chairman, Motorola Inc.

Students to sit on committee to decide Compton Awards

By Charles Mann

Nominations for the 1969 Carl Taylor Compton Awards have been declared open. This is the first year the revised selection procedure for the awards will be in effect.

The awards, donated by the Boston Stein Club, are given for distinguished contributions to the MIT community. In the past selection has been criticized as somewhat haphazard. To correct this, the Student and Faculty Committees on Environment have developed a procedure which will incorporate stu-

dents in the group which makes the final selection.

Nominations will be accepted for the next four weeks from any member of the MIT community. Nominations and supporting material should be sent to the Compton Awards Committee, E53-490. Questions about the awards should be addressed to Professor Roy Feldman.

The Comptons are usually given to seniors, graduate students, or organizations in recognition of contributions to

the good of the community. The new selection committee will include several students chosen at random, representatives of the Dean's Office, the Faculty Committee on Student Environment, the donors—the Boston Stein Club, and the Graduate Student Council.

The selection committee concluded that the past awards have not always been made on the basis of information as complete as desired and they hope that the new procedure will be more representative of the feelings of the community and that more evidence will be considered before making the awards.

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Tuesday meeting

Lack of quorum stalls action on Inscomm reorganization

The Institute Committee held a special meeting to consider action on reorganization Tuesday, but could do nothing for lack of a quorum of the voting members.

The meeting, which had been postponed from Monday because of the snow storm, was convened at 4:00PM in the West Lounge of the Student Center by UAP Maria Kivisild, '69. Roll call showed nine voting members present, but debate was begun anyway—apparently in the hope that more members would show up as time passed.

Petition Presented

Maria officially presented the petition for a referendum on three specific

reorganization proposals which had been supported by one faction of Inscomm led by Steve Ehrmann '71. All agreed that this petition bound Inscomm to hold a referendum on the petition, and then hold one on the three constitutions. Peter Q. Harris '69, SCEP Chairman, lamented the existence of the petition, which would lead to more referenda, making the continued participation by a large portion of the student body unlikely.

New proposal

After a forty-five minute debate on the necessity for accepting the Ehrmann petition, the exact way in which this petition's requests could be implemented, and other items, Steve Carhart '70 editor of *The Tech* stated the belief that neither of the three proposals on the Ehrmann petition was really useful and called for a new effort to create a fourth proposal which would bind a students, faculty, and administration together into one government.

After some further discussion, it became apparent that regardless of how many proposals eventually were included in the Ehrmann referendum, no one felt that the Inscomm sponsored referendum on types of government schedules for Thursday should be held. Accordingly, a motion was made to stop the Inscomm referenda set for Thursday, and for next February 25.

A quorum call was taken, and it was found that there were still only nine voting members present, plus the UAP. Since a quorum of 12 is required to act on any motion, the Inscomm meeting broke up around 5:00PM without cancelling its referendum Thursday.

Renovation closes WTBS until March 2

WTBS will be off the air until Sunday, March 2, for massive renovation of both technical facilities and programming.

New staff members with ideas for improved programming are being recruited from throughout the Boston area, according to Brough Turner '71, the station's recently appointed General Manager.

"We intend to move away from the fixed weekly program schedule to allow special, one-time programs, or programs appearing regularly but less than once a week," said Turner.

"Above all, we are looking for originality in programming concepts and the door to experiments on the air is open to anyone whether they are from MIT or elsewhere."

Turner explained that WTBS does not intend to compete with local commercial stations in music broadcasting. Criteria for new programming include a quest for shows which are "interesting and different".

"They need not be educational in content, although we intend to increase both educational and public affairs."

During the time when WTBS is shut down this spring, WBS (Wellesley College radio station) will be heard over WTBS's AM facilities.

Turner urged anyone interested in joining the staff of WTBS to contact the station at 868-9827.

WTBS broadcasts through restricted-radiation AM at 640 kc to portions of the MIT residence system and through FM at 88.1 mc to the greater Boston area.

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So no matter what kind of engineer you are, you'll probably find that General Electric has exactly the kind of job you're looking for.

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Compulsory commons necessary to allow financial equilibrium

(continued from page 1)
costs as being substantially lower than off-campus housing and roughly average or below average when compared with the costs of comparable universities.

Bishoff added that an increase has been avoided over the last five years by increasing summer use of dormitories and various cost-cutting techniques. There is no longer any substantial gain to be made in these areas, he said.

One issue which was not initially on the agenda but was discussed anyway was the current dissatisfaction with commons. In this matter, the members of the administration present noted that there were two distinct issues: that of voluntary as opposed to compulsory commons, and that of the quality of commons and the associated services.

Wadleigh noted that the dean's office, the faculty committee on student environment, and a group of students reached the decision several years ago that the presence of a relatively small dining facility in each living group contributes to the overall educational process. The only way to make this financially feasible, however, is to require all residents of houses with dining hall to take commons. All action concerning dining services in recent years has been based upon this policy.

Bishoff spoke at some length concerning the quality of commons. He said that no conscious effort had been made to cut costs by lowering food quality.

Letters...

(continued from page 4)
opportunities for all. But Black students know that our well-educated has been woefully inefficient in pursuit of these goals. Pious statements from these adults suggesting that Black centers represent a retreat from democratic ideals just do not ring true to them.

It is important to state clearly what is true: that dormitory arrangements are, traditionally, largely elective—the one exception, freshman dormitory assignments. What is the record here? There is no indication that the age-old practice of assigning Jewish roommates to incoming Jewish freshmen has changed in the last quarter century. Nor is there any evidence that residence deans ever tried to discourage students of a single nationality or religious affiliation from seeking, as friends, common housing.

In addition, it should be emphasized that faculty and administrators alike have long considered it academically beneficial to set up dormitory corridors as language centers. These provide an elective opportunity for upper-class language majors to improve their language skills and to permit a more informal exchange on the history and culture of the country under study. Familiar? Why is this program acceptable when faculty sponsored, and an "unseemly demand" when suggested by Black students? It had NEVER been suggested that such centers isolate the participating students, to their detriment, or that such centers do violence to the democratic complexion of the university.

If our younger citizens are to accomplish those goals toward which we have made but the barest beginnings, then we must be willing to permit them to try their own ways and stop pretending that those ways are so different from traditional practices or so threatening to some fantasy of democratic life. It is time, indeed, to trust to free enterprise in the university society, assured that poor enterprise will fall of its own weight. Black and white students alike will learn to construct better enterprises year by year, examining their own previous error or progress, as every generation of students has done.

Very truly yours,
Mrs. Jacob (Marilyn) Gottler
189 Clinton Road
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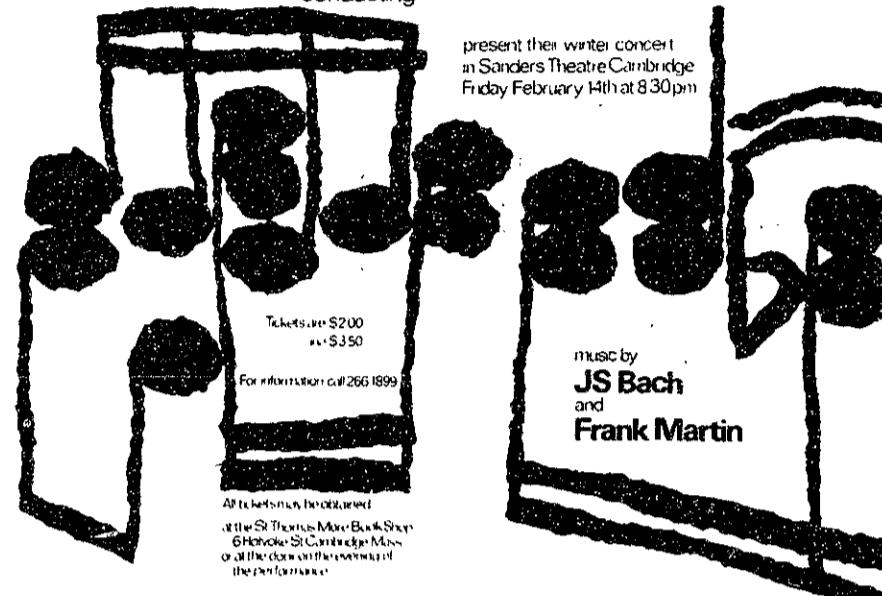
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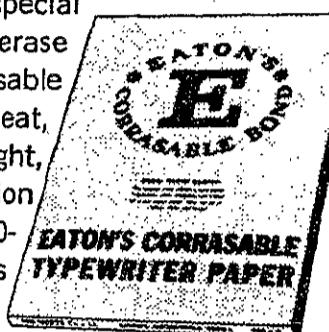
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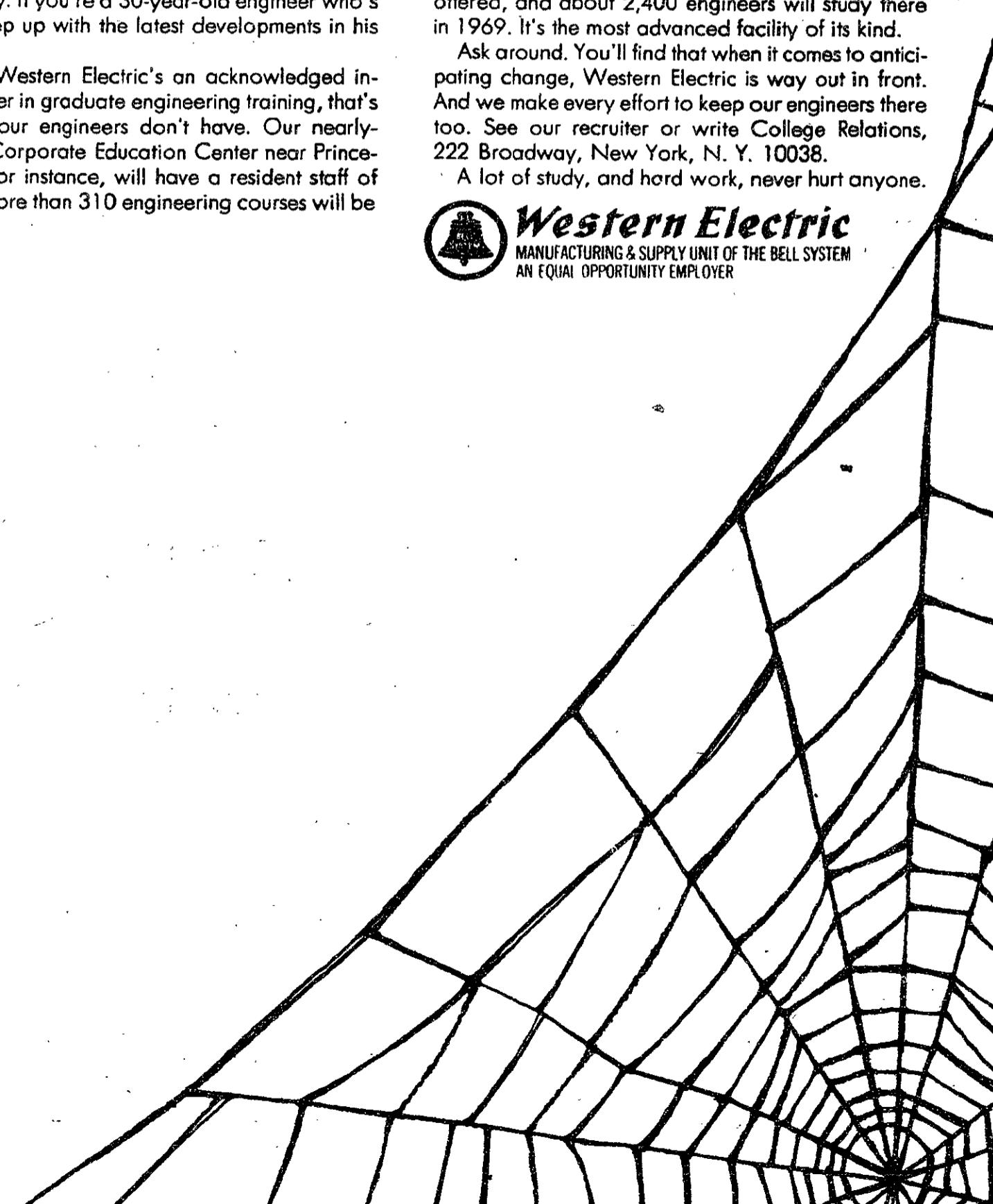
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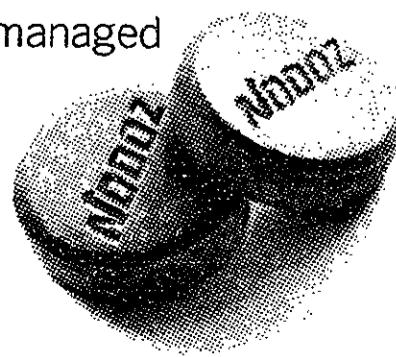
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Airlines may drop half-fare standby

Students under 21 in the near future may no longer be able to fly for half-fare on the major airlines that now offer the program.

Civil Aeronautics Board Examiner Arthur S. Presnet has issued a decision calling for the elimination of the airline youth fare because he judges it discriminatory to adult, full-fare passengers. If the decision is upheld by the five-member board, youth fares will be dropped in 30 days.

The decision came under attack in the House of Representatives by Representative Arnold Olsen (D. Mont.). He charged that the CAB ruling would "encourage thousands of young people to resume the illegal and dangerous practice of hitch hiking or to attempt long, exhausting automobile trips, frequently in unsafe vehicles."

Asserting that "I fail to see how permitting a young person to fly half fare on a seat that would otherwise go empty discriminates against regular passengers," Olsen described the half-fares as a "bright spot in a world that generally discriminates against young people." Olsen further cited the benefits to the cause of education that half-fare schedules have brought about. He also indicated that the ruling would threaten half-fare tickets for youngsters between 2 and 12 years of age, for military personnel and other special fare plans.

Graphic originals to be rented from Stratton collection

The Stratton Collection of Graphic Art will now be available to students on a rental basis. Originally established to honor the work of Mrs. Kay Stratton, wife of the previous President of MIT, the collection consists of original prints of contemporary graphic art.

Although the small size of the collection had previously limited the exhibition of these prints to living areas common to most students, the collection is now of sufficient size as to allow the prints to be rented for use in private rooms. The expressed intention of this project is to enable students to enhance their rooms through the use of original, distinctive prints. Prints were chosen over traditional paintings because the prints are inexpensive, allowing more to be bought with the funds available. The scale of the prints is also better suited to student rooms. The prints are framed and faced with glass, so that the possibility of damage is minimal. All are original, limited editions, and signed by the artist.

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IM Sports**Burton gets top seed in playoffs on strength of unbeaten season**

By George Novosielski

Burton House established itself as the team to beat when it emerged as the only unbeaten team in either of the A leagues. Burton edged challenger BYP 48-37 as Don Scholz '69 poured in 20 points and Jeff Cove '70 scored 18 for the losers. Burton also beat ICA to finish 5-0. LCA topped Kappa Sigma 39-33 in the only other A1 league match.

SAE (4-1) scored a pair of upsets to finish in a tie with DU (also 4-1) for first in league A2. SAE first whipped SPE (3-2) 58-43 as Ken Weisshaar '72 led all scorers with 19 points and Bob Dresser '71 contributed 14. Then SAE barely edged PGD (2-2) 33-32. The Fijis had a five point lead, 32-27, with just two and a half minutes to go, but SAE switched to a man-to-man defense and tallied the final six points on three steals. Dresser had 12 points for the winners, while Randy Hekman '69 scored ten points in a losing cause.

Four of the 16 spots in the upcoming playoffs will be filled by the winners of each of the four B leagues. Baker and Ashdown were tied in league B1, but Baker went to the playoffs since Ashdown will compete in the graduate eliminations.

ATO and SC tied in league B2 House 5-1 and DU 7-2 to finish its season at 2-2. Dick Sidell '66 scored four times for the SAE's against Burton. Burton stands at 1-2 and DU hasn't won in three games.

League A2 action found Chi Phi downing ZBT 5-1 to take over first place with a 3-0 mark. John Yasaitis led CP with a pair of goals. ZBT defeated winless Ashdown (0-2) 1-0 as Ken Marr '69 tallied the decisive marker. ZBT thus ended its regular season breaking even at 2-2. Student House (2-0) and last place SPE (0-3) did not play.

The B leagues saw a larger number of games as AEPi clinched first in League B2 by running its unbeaten streak to four with a 2-1 victory over ATO. Gerry Banner '68 and Dave Wortman '72 scored for the winners.

Frosh sports**Jumbos dunk swimmers as Sanders wins twice**

By Ray Kwasnick

The freshman swimming team was toppled by Tufts last Tuesday 53-42. Pete Sanders starred in the loss, capturing two firsts and a second.

Pete Hadley captured first in the

200-yard freestyle with a time of 2:03.4. Sanders placed first in the 100-yard freestyle by churning out a 53.6.

The Tech swimmers couldn't overtake the winning time of 23.6 in the 50-yard freestyle, but Sanders copped second place honors with a 24.2 while Dan Nadler followed closely in third with a 24.5. Jim Hadley and John Cecilian took second and third respectively in the 500-yard freestyle.

Sanders put in his third strong showing of the meet in the 200-yard breast stroke, leading his fellow aquanauts with a 2:34.2. Jim Roxlo scored the engineers only point in the 200-yard backstroke by taking third.

In the 200 individual medley Kim Bierwert's 2:22.7 proved to be the winning mark while John Cecilian took third. In the 200 butterfly the engineers again came close to a sweep as Ed Rich's 2:42.7 led the pack while Frank Moses' 3:11.6 placed third.

The frosh mermen do not compete again until next Wednesday when they travel to Providence to battle Brown.

Squash

On Wednesday the frosh squash team was clobbered by Exeter Academy. The Tech raquetmen were whitewashed 7-0. The defeat against what Coach Randall described as "the best team we've faced all year" extended the squad's losing string to seven. They haven't won a game all year and will have a tough time breaking into the win column tomorrow against the usually well disciplined Army squad.

The engineers won only one game out of the twenty-two played against the preppies. Dave Fish playing in the fourth position tipped his opponent 15-13 in a squeaker. However, Fish lost his match 3-1. All the other freshmen raquetmen were blanked 3-0.

The recent storm forced postponement of the basketball game scheduled last Tuesday evening against UNH. The home contest will be rescheduled for sometime in late February.

The indoor track meet scheduled for Wednesday night at UConn was also postponed. No new date has yet been set.

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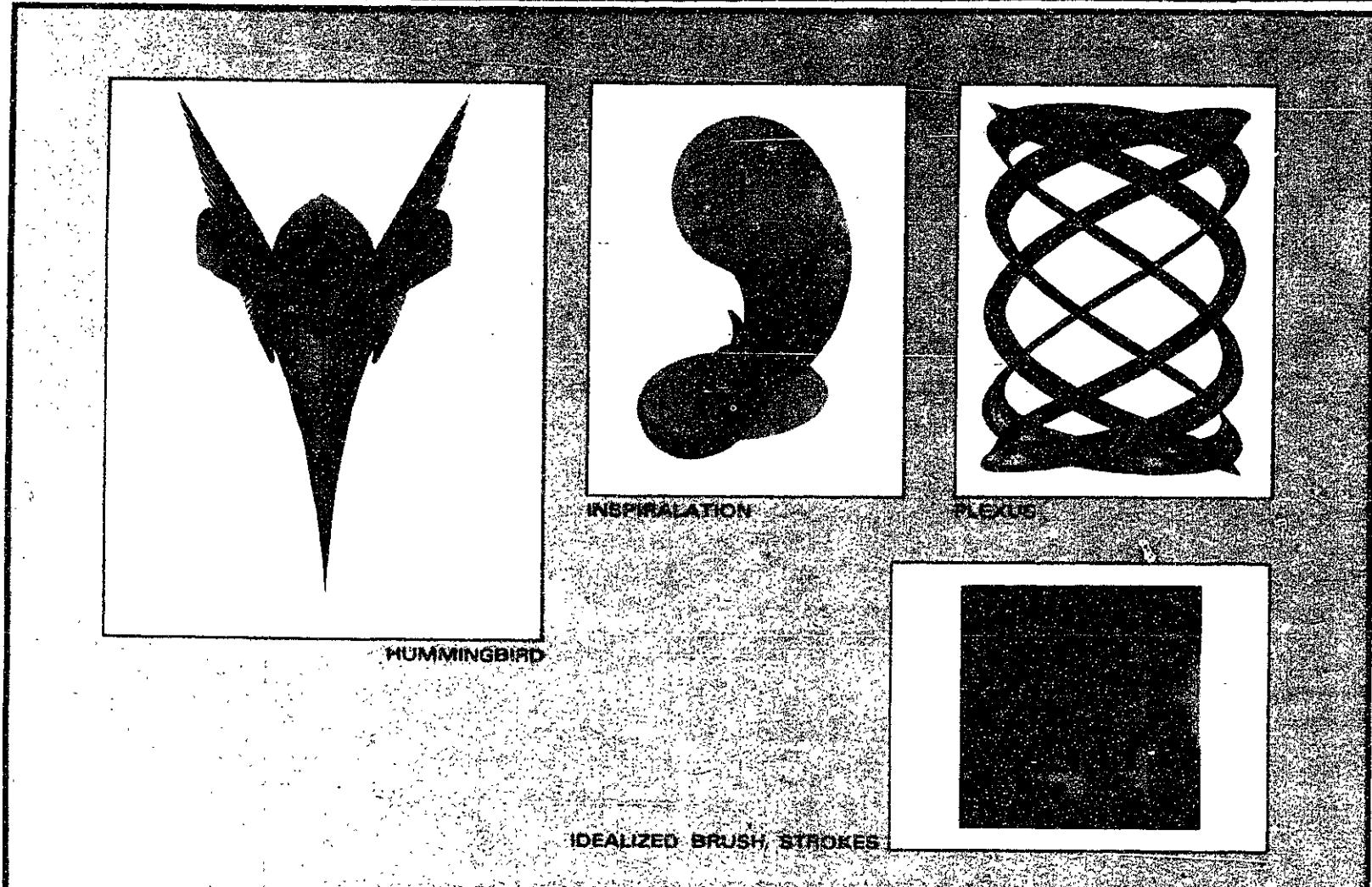
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Grapplers keep winning ways; administer 44-5 licking to Tufts

By Ray Kwasnick

The Tech grapplers rolled another foe Wednesday night as they continued to destroy all competition. This time the wrestlers smashed Tufts 44-5. Last year the engineers also stopped the Jumbos 39-8.

Ted Mita '71 wrestling at 115 pounds and Joe Baron '70 (123) both were awarded five points by default. Gregg Erickson '69 (130) followed with a pin over Tufts' Bruce Kaplan at 2:35. Mike Sherrard '71 (137) and Mike Dickens '70 (145) then increased the score to 25-0 in favor of the engineers when they too were awarded wins by default.

Jack Maxham (152) continued the Tech domination with an 11-1 victory over Jumbo Tom Mitchell. Rick Willoughby '70 (160) prolonged the white-washing with a fall at 7:42 over John Smedberg. The engineer machine proved unrelenting as Dean Whelan '70 (167) dumped Jack Alcon by a 9-1 count.

Steve Cary of Tufts had been undefeated this season until he met Walt Price '70 (177), returning after recovering from an injury received in the Harvard match. Price promptly registered a 5-1 triumph and the engineer lead grew to a phenomenal 39-0.

The only Jumbo points came at the behest of Bruce Davies '71 (191), and even these points were tainted. At 2:05 of his match with Jack Scala, Davies suffered a dislocated knee. This injury forced Davies to default the match. Fortunately, the injury doesn't seem serious, and Davies should be in action soon.

Finally Fred Andree pinned Carl Johnson at 2:49 to end the match. The impressive Andree has now strung together six straight pins, and it looks like he may go undefeated in dual meets this season.

There will be a meeting today at 5:30 pm in the T-club lounge (at the Mass. Ave. entrance to the Armory) for all those interested in playing freshman baseball.

The Third Annual MIT Invitational Pool Slalom, sponsored by the White Water Club, will be held Saturday at 7 pm at the Alumni Pool. Students can obtain free tickets in the lobby of Building 10; otherwise the admissions fee is fifty cents at the door.

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Icemen downed by Babson

By Pete Peckarsky

The varsity skaters dropped a hard-fought game, 7-5, to the Babson ice-men (who were delayed a half hour by the recent snowstorm) on Tuesday night. According to informed sources on and near the Tech squad, the team's problem seemed to be a psychological letdown after the trophy-copping performance in the week-end tournament.

Before the fans had time to settle back and enjoy the game, Babson opened the scoring with a garbage goal.

MIT retaliated as Bill Barber '71 stole the puck from the left defenseman, fired a hard shot which was blocked, and watched Mike Talalay '69 backhand the rebound into the net. Babson center, Dennis Ott, took a pass from defenseman Peter Hollard, and beat goalie Ken Lord '71 to end the period with Babson ahead 2-1.

Babson opened the second period with another quick goal; the MIT response was a Barber score on a two-on-two breakaway. Talalay got the

assist. Minutes later the Beavers capitalized on a two man advantage to knot the score at 3-3 as Mike Nescheba '69 registered the marker.

Babson countered with a pair of goals donated by lapses in the MIT defense. Goalie Lord then gave up his sixth point on a backhander by an enemy wing, and was replaced by Steve Erickson '69. The period ended with the Beavers on the short end of a 6-3 score.

Backhanded Flip

Maris Sulcs '69, again playing with a painful pulled arm muscle, put the MIT attack in high gear with a hard wrist shot. The puck was blocked by the Babson goalie, but Barber gobbled up the rebound and scored on a backhanded flip shot. Babson tallied its final goal after a face off to the right of goalie. Erickson went down to his knees a little too fast and missed a high shot over his head.

The engineers pulled to within two as Sulcs broke loose again. Sulcs feinted a shot to the right and then slipped in a backhander to beat the enemy goalie unassisted.

Martin pulled the goalie in favor of five forwards and a defenseman, but there was no further scoring. Mike Bruce-Lockhart '69 did manage to stave off a score on a shot directed at the open net in the waning seconds of the game.

The skaters compete next against Assumption in a home game 7:00 tomorrow night.

Individual performances mark recent varsity ski competition

By Bill Michels

The varsity ski team has competed in several meets since Christmas vacation, with activity increasing since intercession. Though team scores have not been the most productive, there have been many fine individual performances.

Prior to intercession the cross country team had competed by itself in non-intercollegiate meets at the Lyndonville Relays on December 29 and the Dartmouth Relays. Both times MIT's leading contenders were Coach Helge Bjaaland '67 and Captain Doug Cale '69, who did well against the Olympic quality opposition.

The season got into full swing over intercession as the team participated in the Yale Carnival at Stratton Mountain, Vermont, January 31. John Schultz '71 had an excellent day, winning the slalom and placing ninth in the Grand Slalom for a fourth place in the combined totals. Unfortunately, the rest of the Alpine team failed to finish in the top half of the field and the Nordic events were cancelled due to poor conditions. Thus MIT placed fifth, beating Maine in both races.

The following weekend the team travelled to Orono, Maine, for the Maine Carnival. On the first day

Schultz again led Tech with a third place in the Giant Slalom, with the rest of the team far behind. In the afternoon the Nordic team showed its strength and depth and finished second in the cross country, just one point out of first. Cale fell hard early in the race but finished third, with Max Daamen '70 right behind in sixth and Hans Rasmussen '70 in eighth.

The next day Schultz was 0.2 seconds off the top time in his first run but, after spinning on a turn in the second race, had to settle for fifth. Chip Schroeder '70 had a fast first run but was disqualified for missing a gate.

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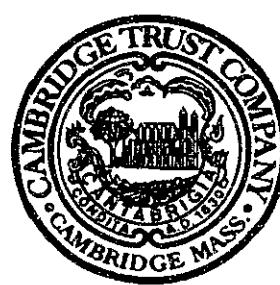
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Swimmers crunch Tufts 58-37; increase season record to 4-4

By Ron Cline

The varsity swimmers evened their record at 4-4 Tuesday with a shattering triumph over the visiting Tufts Jumbos. The outcome of the meet was obvious from the very start; and by the time six of the eleven scheduled events were completed, the engineers had taken a commanding lead of 45-7. Coach Charles Batterman used the spread for roster experimentation in the rest of the meet, but MIT still came out on top by a very comfortable margin, 58-37.

Al Graham '71, Tom Nesbitt '69, Jim Bronfenbrenner '70 and Dave James '71 kicked off the drive with a 4:03.2 win in the 400 medley relay. Co-captain Luis Clare '69 and Jim Lynch '69 combined for a one-two punch in the 200 freestyle with times of 1:58.2 and 2:04.4 respectively, putting Tech in a 15-1 lead. Bill Stage added five points with a 23.8 win in the 50 freestyle, aided by Don Riley '70, who placed third.

Co-Captain Lee Dilley '69 gave an outstanding performance in the individual medley with a 2:11.4 first place time—only 0.4 seconds off the MIT varsity record set by Luis Clare two years ago and 2.6 seconds better than any Jumbo has ever done. Larry Markei '71 chipped in a second to boost the meet score to 29-4.

The engineers doubled up twice more in the next two events, diving and the 200 butterfly. Jesse Heines '70 and Dan Gentry '69 teamed up for one-two respectively in the former; Bob Rorschach '70 did not compete. Graham and Bronfenbrenner combined for eight more counters with times of 2:16.1 and 2:30.0 in the butterfly.

The rest, was for the most part, embellishment. Tim Gilmore '70 added a third place (56.5) in the 100 free, Riley chipped in a second (2:23.3) in the 200 backstroke and Phil Isenberg '71 grabbed a third (6:45.0) in the 500 free.

Dave Lawrence '71 touched out

teammate Clare to spearhead Tech's last of five one-two finishes in the meet. Lawrence's 2:36.4 was only 0.3 seconds ahead of Clare's second place time.

The engineers entered two teams in the last event, the 400 freestyle relay, with two members of the starting four going to either team. Even with this thinning, Tech was nosed out by only two tenths of a second as Gilmore, Rozales, Stage, and Dilly (with a 49.6 anchor leg) came through with a respectable 3:34.8. Riley, Lynch, Markei, and Graham were not far behind with a 3:40.9.

The swimmers have a good chance of repeating the fine 9-4 mark of last year. They face two respectively weak teams this weekend, New York University and Fordham, and decisive wins are expected in both cases.

On Deck

Today

Skiing(V)—Division II Championships, away

Squash(V)—Princeton, away, 4 pm

Rifle—Boston State, home, 6:30 pm

Swimming (V)—New York University, away, 7 pm

Swimming (F)—Brandeis, home, 4 pm

Hockey (F)—Stonehill, home, 7 pm

Wrestling (V)—Williams, home, 7:30 pm

Wrestling (F)—Williams, home, 6 pm

Tommorow

Pistol—NRA International Sectional

Championships, home, 10 am

Track (V,F)—New Hampshire, home, 12:30 pm

Wrestling (JV)—Boston University, home, 1 pm

Fencing (V)—Holy Cross, home, 2 pm

Swimming (V)—Fordham, away, 2 pm

Gymnastics—Plymouth State College, away, 2 pm

Fencing (F)—Lenow School, away, 2 pm

Squash (V)—Navy, away

Squash (F)—Army, away, 2 pm

Basketball (F)—WPI, away, 6:30 pm

Basketball (V)—WPI, away, 8:30 pm

Hockey (V)—Assumption, home, 7 pm

By Jay Zager

A last second desperation shot by Harvard's John Mears powered the Crimson Junior Varsity to a come from behind 65-64 victory over the MIT JV in a game played in Rockwell Cage.

Having had a game against the University of New Hampshire postponed the night before, the Tech five was well-rested and well-prepared for their first of two encounters with Harvard. Had the game been two seconds shorter, they would have extended their unbeaten streak to five games.

The first half of play was controlled entirely by the visitors, who consistently out-rebounded the smaller Techmen and walked off the court with a 38-33 lead. The engineers, using a man-to-man defense, were unable to contain Harvard junior Brad Call, who poured in 19 points while leading both teams in rebounding. MIT was able to keep the margin close as they played deliberate basketball, and repeatedly waited for the good shot. Dennis Flaherty '71 led the Tech scorers with eight, while Captain Bob Listfield '69 had six.

Catch-up ball

Down by five, Tech spent the second half trying to catch the Crimson as they played aggressive defense while looking for each other at the other end of the court. Five minutes into the half, they finally caught Harvard as Jimmy Shields '71 hit a foul shot to gain a 42-42 tie. Half a minute later Listfield called to give the engineers their first lead, and the lead changed hands six times in the next six minutes before Tech finally pulled ahead by its

How They Did

Wrestling

MIT (V) 44 - Tufts 5

MIT (F) 33 - Tufts 8

Swimming

MIT (V) 58 - Tufts 37

Tufts 53 - MIT (F) 42

Basketball

Harvard 65 - MIT (JV) 64

Hockey

Babson 7 - MIT (V) 5

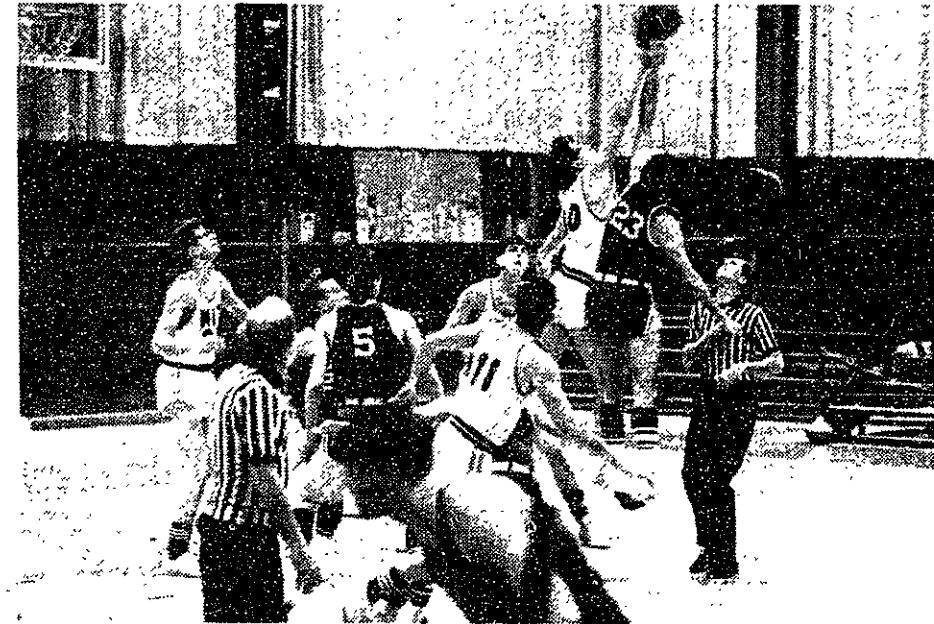


Photo by Steve Greter

A jump ball in the action as the JV cagers lost a close one to Harvard.

biggest margin at 60-54. Harvard promptly proceeded to score the next seven points to regain the lead with 3:40 left to play.

Bob Listfield converted two at the line to regain the lead, and after Harvard scored, Frank Taylor hit on a driving layup to give MIT a 64-63 lead. Harvard came down court and missed a shot, giving Tech a one-point lead and possession with 1:40 to go. After a one minute stall, Harvard was forced to foul the Tech ballhandler, Loe, who missed a chance to put the game out of reach. Harvard got the rebound, but missed its shot; Tech got the rebound, and came back with a fast break. Loe was fouled before he could get the layup and his missed foul shot gave Harvard the ball with twenty seconds to play. After calling time, they set up for a final shot, which was missed with three seconds to play. But Harvard's Mears controlled the rebound and scored on a short tap-in, giving Harvard the one point victory. Tech tried a desperation play at the buzzer, but John Bell's long jump shot hit the back of the rim as the game ended.

Second-class postage paid at Boston, Massachusetts. The Tech is published every Tuesday and Friday during the college year, except during college vacations. By The Tech, Room W20-483, MIT StudentCenter, 84 Massachusetts Ave., Cambridge, Massachusetts, 02139. Telephone: Area Code 617, 864-6900. Extension 2731; 876-5555. United States Mail subscription rates: \$4.25 for one year, \$8.00 for two years.

Friday, February 14, 1969

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